

3,600 St. Louis County
West Lake SLP and DLF

JOHN ASHCROFT
Governor

G. TRACY MEHAN III
Director



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

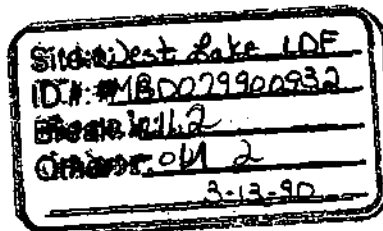
Recorded (2)
Division of Energy
Division of Environmental Quality
Division of Geology and Land Survey
Division of Management Services
Division of Parks, Recreation,
and Historic Preservation

DIVISION OF ENVIRONMENTAL QUALITY

St. Louis Regional Office
8460 Watson Road, Suite 217
St. Louis, MO 63119
314-849-1313

March 13, 1990

Mr. Mike Whitlock
Laidlaw Waste Systems, Inc.
113570 St. Charles Rock Road
Bridgeton, Missouri 63044



Dear Mr. Whitlock:

Enclosed are reports of inspections conducted on March 6, 1990. The reports contain recommendations which the inspector has determined are warranted, based on her findings at the facility.

Please review the reports and implement the recommendations presented. Should you have any questions or comments, contact Kristine Davidson of this office.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Robert S. P. Eck

Robert S. P. Eck
Regional Administrator

RSPE/KD/cc

Enclosure

cc: Central Office - WMP
Brad Bomanz, St. Louis CO. DOCHMC
City of Bridgeton
Laidlaw Waste Systems

40249223



SUPERFUND RECORDS

RECEIVED

MAR 15 1990

WASTE MANAGEMENT
MISSOURI DEPARTMENT OF
NATURAL RESOURCES

DNR 0032

3.600 St. Louis County
West Lake Demolition Landfill

SOLID WASTE FACILITY INSPECTION REPORT

FACILITY

West Lake Demolition Landfill
St. Louis County
MDNR Permit #218912

INTRODUCTION

On March 6, 1990, the above referenced facility was inspected to assess compliance with the Missouri Solid Waste Management Law and Regulations. Kristine Davidson represented the Missouri Department of Natural Resources, St. Louis Regional Office (MDNR, SLRO). Brad Romanz represented the St. Louis County Department of Community Health and Medical Care (DOCHMC). Mike Whitlock represented the facility.

FINDINGS

1. A sign had not been posted at the entrance listing excluded wastes.
2. Approximately 5% of the waste materials deposited at this site consisted of paper products.

DISCUSSION

The facility did not have a sign posted listing the solid wastes to be accepted at the entrance to the demolition landfill. A sign should be prominently displayed and should contain wording to the effect that only demolition wastes, construction wastes, brush, wood wastes, tires, inert plastics, soil, rock, concrete, sand, gravel, asphaltic concrete, cinderblocks and bricks would be accepted at the site. The sign may be placed at the check-in station or at the entrance to the demolition landfill.

The waste materials deposited at this site included an inordinately large percentage of paper and paper products such as cardboard, and some metals. Efforts should be made to divert incoming loads containing excessive percentages of such materials to the sanitary landfill, which has gas and leachate collection systems for products of decomposition. This will also help reduce problems with windblown litter.

RECOMMENDATIONS

1. Post a sign at the check-in station or entrance to the demolition landfill describing acceptable wastes.
2. Divert incoming loads containing high percentages of paper products and metals to the sanitary landfill.

3.600 St. Louis County
West Lake Demolition Landfill
Page two.

Questions regarding this report should be directed to the undersigned.

PREPARED BY:

ST. LOUIS REGIONAL OFFICE

Kristine Davidson

Kristine Davidson
Environmental Specialist



MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
DEMOLITION LANDFILL INSPECTION CHECKLIST

TYPE OF INSPECTION **II**

I GENERAL INFORMATION

DATE OF INSPECTION <u>March 6, 1990</u>		DAYS/WEEK OPEN <u>5 1/2</u>		TIME OF ARRIVAL <u>9:45 am</u>	
WEATHER <u>Scattered showers, overcast, light winds</u>				TEMPERATURE <u>~ 50's</u>	
FACILITY NAME <u>West Lake Demolition Landfill</u>			COUNTY <u>St. Louis</u>	PERMIT NUMBER <u>218912</u>	
OWNER <u>Laidlaw Waste Systems, Inc.</u>			TELEPHONE NUMBER <u>(314) 739-1919</u>		
ADDRESS <u>13570 St. Charles Rock Road</u>		CITY <u>Bridgeton</u>	STATE <u>MO</u>	ZIP CODE <u>63044</u>	
OPERATOR <u>Same as owner</u>			TELEPHONE NUMBER		
ADDRESS			CITY	STATE	ZIP CODE

II REMAINING LIFE OF LANDFILL

AREA SERVED

A. Estimated quantity of waste accepted, <u>1100</u> <u>yards or tons/week</u>	A. Cities: <u>Various municipalities</u>
B. Estimated life of remaining landfill, <u>2-1</u> years.	B. Counties: <u>St. Louis, St. Charles</u>
C. Fixed operating term date, _____	

NOTE ▶ Check all subsections: SAT-Satisfactory or UNS-Unsatisfactory. If necessary, describe "UNS" violations under "Remarks."

	SAT	UNS
10 CSR 80-2.020 PERMIT ISSUANCE, SPECIAL OPERATING PERMITS AND PERMIT EXEMPTION		
(5)(E) SITE CONSTRUCTED AND OPERATED PER TERMS AND CONDITIONS OF PERMIT.	✓	
10 CSR 80-2.060 CERTIFIED SOLID WASTE TECHNICIANS		
(2)(A) CERTIFIED SOLID WASTE TECHNICIAN. <u>Mike Whitlock</u>	✓	
10 CSR 80-4.010 DEMOLITION LANDFILL DESIGN AND OPERATION		
(2) SOLID WASTE ACCEPTED		
(2)(C) SOLID WASTES ACCEPTED DISPLAYED AT THE SITE ENTRANCE.		✓
(3) SOLID WASTE EXCLUDED AND SPECIAL WASTE APPROVALS		
(3)(C)1. DISPOSAL OF SPECIAL WASTES APPROVED IN THE PERMIT IN ACCORDANCE WITH APPROVED PLANS.	✓	
(3)(C)2.A. WRITTEN APPROVAL FOR SPECIAL WASTE NOT APPROVED IN PERMIT.	✓	
(3)(C)2.B. APPROVED SPECIAL WASTE DISPOSED OF PROPERLY.	✓	
(3)(C)3. PROCEDURES FOR SCREENING AND REMOVAL OF EXCLUDED WASTES IMPLEMENTED.	✓	
(4) SITE SELECTION		
(4)(C)1. SITE ACCESSIBLE IN ALL WEATHER CONDITIONS. TEMPORARY ROADS PROVIDED TO WORKING FACE.	✓	
(4)(C)2. IF ACCESS ROADS ARE FLOODED, ALTERNATE LANDFILL IS AVAILABLE. NAME:	✓	
(5) DESIGN		
(5)(C)1. CONSTRUCTION AND OPERATION OF THE SITE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.	✓	
(5)(C)2. MINIMUM 50-FOOT BUFFER ZONE MAINTAINED.	✓	
(5)(C)3. OPERATING MANUAL AVAILABLE.	✓	
(6) SURVEY CONTROLS		
(6)(C)1. BOUNDARY MARKERS, BENCHMARKS, AND HORIZONTAL CONTROL STATIONS CLEARLY MARKED AND IDENTIFIED.	✓	
(6)(C)2. MISSING OR DISPLACED BENCHMARKS OR HORIZONTAL CONTROL STATIONS REESTABLISHED.	✓	
(6)(C)3. MISSING OR DISPLACED CONSTRUCTION STAKES REESTABLISHED.	✓	
(6)(C)4. MONUMENTS AND BOUNDARY MARKERS PLACED PRIOR TO RECEIVING AUTHORIZATION TO OPERATE.	✓	
(6)(C)5. CONSTRUCTION STAKES MARKING THE ACTIVE AREA PLACED PRIOR TO DEPOSITION OF WASTE.	✓	
(7) WATER QUALITY		
(7)(C)1. SURFACE WATERCOURSES & RUNOFF PROPERLY DIVERTED. CONSTRUCTION & GRADING TO PROMOTE RUNOFF WITHOUT EXCESSIVE EROSION.	✓	
(7)(C)2. CONTACT BETWEEN WATER AND SOLID WASTE MINIMIZED.	✓	
(7)(C)5. LEACHATE GENERATED ON-SITE CONTROLLED ON-SITE & NOT ALLOWED TO DISCHARGE OFF SITE OR INTO WATERS OF THE STATE.	✓	
(8) GROUND-WATER MONITORING		
(8)(C)1.B. GROUND-WATER MONITORING WELLS OPERATIONAL PRIOR TO ACCEPTANCE OF WASTE.	✓	
(9) AIR QUALITY		
(9)(C) BURNING OF SOLID WASTE PROHIBITED UNLESS A BURNING PERMIT IS OBTAINED.	✓	

		SAT	UNS
(10) GAS CONTROL			
(10)(C)1.	DECOMPOSITION GAS CONTROL SYSTEMS IMPLEMENTED AS NECESSARY.	✓	
(10)(C)2.A.	METHANE NOT ALLOWED TO CONCENTRATE IN BUILDINGS ON-SITE ABOVE 25 PERCENT LEL.	✓	
(10)(C)2.B.	METHANE NOT ALLOWED TO CONCENTRATE IN THE SOIL AT THE PROPERTY BOUNDARY ABOVE 5 PERCENT LEL.	✓	
(10)(C)3.	DECOMPOSITION GAS MONITORING RESULTS SUBMITTED TO THE DEPARTMENT AS REQUIRED.	✓	
(11) VECTORS			
(11)(C)	VECTOR CONTROL PROGRAMS IMPLEMENTED.	✓	
(12) AESTHETICS			
(12)(C)1.	LITTER CONTROL DEVICES USED AS NEEDED. LITTER COLLECTED AND INCORPORATED INTO THE ACTIVE CELL AT THE END OF EACH DAY OR PLACED IN CONTAINERS.	✓	
(12)(C)2.	WASTES EASILY MOVED BY WIND COVERED AS NECESSARY.		✓
(12)(C)3.	ON-SITE VEGETATION CLEARED ONLY AS NECESSARY.	✓	
(12)(C)4.	SALVAGED MATERIALS REMOVED DAILY OR STORED IN AESTHETICALLY ACCEPTABLE CONTAINERS.	✓	
(13) COVER			
(13)(C)1.	TWELVE (12) INCHES COMPACTED SOIL COVER APPLIED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.	✓	
(13)(C)2.	FINAL COVER APPLIED TO COMPLETED AREAS.	✓	
(13)(C)3.	FINAL SIDE SLOPES NOT TO EXCEED 33.3 PERCENT.	✓	
(13)(C)4.	VEGETATION ESTABLISHED WITHIN 180 DAYS OF APPLICATION OR REGRADING OF COVER.	✓	
(13)(C)5.	REGRADING AND RECOVERING AS NECESSARY.	✓	
(14) COMPACTION			
(14)(C)1.	SOLID WASTE HANDLING EQUIPMENT ON-SITE AND OPERATED AS NECESSARY.	✓	
(14)(C)1.A.	SOLID WASTE TO BE SPREAD IN LAYERS NO MORE THAN TWO FEET THICK, & CONFINED TO SMALLEST PRACTICAL AREA.	✓	
(14)(C)1.B.	WASTE COMPACTED TO SMALLEST PRACTICAL VOLUME.	✓	
(14)(C)1.C.	COVER COMPACTED AS MUCH AS PRACTICAL.	✓	
(14)(C)2.	SOLID WASTE SPREAD & COMPACTED AT LEAST WHEN THE ACCUMULATED WASTE REACHES 200 CUBIC YARDS.	✓	
(14)(C)3.	PREVENTIVE MAINTENANCE PERFORMED ON EQUIPMENT.	✓	
(14)(C)4.	SOLID WASTE NOT DISPOSED OF IN WATER.	✓	
(15) SAFETY			
(15)(C)1.	FIRE EXTINGUISHERS PROVIDED.	✓	
(15)(C)2.	ALL FIRES IN WASTES BEING DELIVERED, AT THE WORKING FACE OR WITHIN EQUIPMENT EXTINGUISHED.	✓	
(15)(C)3.	SCAVENGING PROHIBITED.	✓	
(15)(C)4.	CONTROLLED ACCESS TO SITE BY ESTABLISHED ROADWAYS & LIMITED TO HOURS WHEN OPERATING PERSONNEL ARE ON DUTY.	✓	
(15)(C)5.	TRAFFIC CONTROLLED AND DIRECTED TO DESIGNATED DISPOSING POINTS.	✓	
(15)(C)6.	SITE DUST CONTROLLED.	✓	
(16) RECORDS			
(16)(C)1.A.	RECORDS OF MAJOR PROBLEMS AND COMPLAINTS.	✓	
(16)(C)1.B.	RECORDS OF DATES OF COVER MATERIAL APPLICATION.	✓	
(16)(C)1.C.	RECORDS OF QUALITATIVE AND QUANTITATIVE EVALUATION OF THE ENVIRONMENTAL IMPACT OF THE LANDFILL.	✓	
(16)(C)1.D.	RECORDS OF VECTOR CONTROL EFFORTS.	✓	
(16)(C)1.E.	RECORDS OF DUST AND LITTER CONTROL EFFORTS.	✓	
(16)(C)1.F.	RECORDS OF QUANTITY OF WASTE RECEIVED.	✓	
(16)(C)1.G.	RECORDS OF QUANTITY OF WASTE HANDLED. TOPOGRAPHIC MAP SUBMITTED EVERY FIVE YEARS.	✓	
(16)(C)1.H.	RECORDS OF DESCRIPTION, SOURCES, AND VOLUME OF SPECIAL WASTES LISTED IN SUBSECTION (3)(A).	✓	
OTHER DESIGN SPECIFICATIONS			
(7)(C)3.	LEACHATE COLLECTION SYSTEM PROPERLY INSTALLED AND OPERATED.	✓	
(7)(C)4.	LINER CONSTRUCTED BY APPROVED DESIGN.	✓	
(8)(C)1.A.	GROUND-WATER MONITORING WELLS INSTALLED.	✓	
(13)(C)6.	BORROW AREAS RECLAIMED.	✓	
REMARKS			
SIGNATURE OF INSPECTOR		OFFICE	
<i>Christie Sanders</i>		5420	